Functional Skills Level 1

Probability — Worksheet 1

1. A fair coin is tossed once. What is the probability of getting heads?

2. A fair six-sided dice is rolled once. What is the probability of rolling a 4?

3. A bag contains 5 red counters and 3 blue counters. What is the probability of choosing a red counter? Give your answer as a fraction.

4. A spinner has 4 equal sections numbered 1, 2, 3 and 4. What is the probability of landing on an even number?

5. A box contains 6 green balls and 4 yellow balls. What is the probability of choosing a yellow ball? Give your answer in its simplest form.

6. A fair dice is rolled once. What is the probability of rolling a number greater than 4?

7. A bag contains 2 red, 5 blue and 3 green counters. What is the probability of choosing a blue counter?

8. A fair coin is tossed twice. What is the probability of getting two heads?

9. A spinner has 8 equal sections. 3 sections are red. What is the probability of landing on red?

10. A box contains 10 cards numbered 1 to 10. One card is chosen at random. What is the probability of choosing an odd number?

11. A fair six-sided dice is rolled. What is the probability of rolling a number less than 3?

12. A bag contains 4 black pens and 6 blue pens. One pen is chosen at random. What is the probability of choosing a black pen?

13. A class has 20 students. 12 are wearing trainers and 8 are wearing shoes. If one student is chosen at random, what is the probability they are wearing shoes?

14. A spinner has 5 equal sections numbered 1 to 5. What is the probability of landing on a number greater than 2?

15. A box contains 12 chocolates. 5 are milk chocolate and the rest are dark chocolate. What is the probability of choosing a dark chocolate?

16. A fair dice is rolled once. What is the probability of not rolling a 6?

17. A bag contains 7 white counters and 3 black counters. One counter is chosen at random and replaced. What is the probability of choosing a white counter?

18. A fair coin is tossed once. What is the probability of not getting tails?

19. A raffle has 50 tickets. 5 tickets win a prize. If one ticket is chosen at random, what is the probability of winning a prize?

20. A box contains 8 red balls, 2 blue balls and 5 green balls. What is the probability of choosing a ball that is not blue?